	Quantity	Unit	Unit Price	Cost	Source	/Subtotal	COMMENTS
Administration							
Home Office Administration and Support	1	LS	\$ 950,000	\$ 950,000	Engineer'	s Estimate	
Field Office Administration and Support	1	LS	\$ 2,370,000	\$ 2,370,000	Engineer'	s Estimate	
Engineering Design/Consulting	1	LS	\$ 2,750,000	\$ 2,750,000	Engineer'	s Estimate	
					\$	6,070,000	
Mobilization							
Mobilization and Site Preparation	1	LS	\$ 35,000	\$ 35,000	Engineer'	s Estimate	20 equipment operators/site workers, per diem, vehicles and fuel
Equipment Staging	1	LS	\$ 90,000	\$ 90,000	Engineer'	s Estimate	20 equipment operators/site workers, per diem, vehicles and fuel Equipment for five phases of work.
					\$	125,000	Equipment to rive phases of work.
Pre-Construction							
Background - Pre-Construction	1	LS	\$ 31,000	\$ 31,000	Engineer'	s Estimate	
Perimeter Air Monitoring - Construction	1	LS	\$ 145,000	\$ 145,000	Engineer'	s Estimate	
Erosion Control Measures	1	LS	\$ 53,000	\$ 53,000	Engineer'	s Estimate	
Initial Site Cleaning	75	AC	\$ 630	\$ 46,935	Engineer'	s Estimate	
Pre & Const Ops. Train, PPE, Med. Monitoring	1	LS	\$ 287,000	\$ 287,000	Engineer'	s Estimate	
					\$	563,000	
Landfill Soil Foundation							
Subgrade Preparation (Labor)	660	HR	\$ 960	\$ 633,600	Engineer'	s Estimate	Crew rate based on 8 equipment operators/site workers
Subgrade Preparation (Equipment)	660	HR	\$ 544	\$ 359,040	Engineer'	s Estimate	Equipment rate based on 3 scrapers (CAT 623), compactor (CAT 815F), grader (CAT 14G), water tuck and fuel
Subgrade Preparation (General Fill)	100,000	CY	\$ 3.50	\$ 350,000	Vendor Q	uote	Assumes 100,000 cubic yards for subgrade fill after hot spot consolidation
					\$	1,343,000	and not spot consultation

RCRA Equ	ivalent Subtitle C Landfill Cap Construction						
Gas Collectio	n System						
	Installation of 200 mil Geonet (Labor)	887	HR	\$ 1,500	\$ 1,330,500	Engineer's Estimate	Crew rate based on 20 equipment operators/site workers
	Installation of 200 mil Geonet (Equipment)	887	HR	\$ 225	\$ 199,575	Engineer's Estimate	Equipment rate based on 5 trucks, backhoe (CAT 446), gradeall (CAT 10k lb), loader (CAT 996) and fuel
	Geonet materials: 6X6 comp	3,408,589	SF	\$ 0.30	\$ 1,022,577	Vendor Quote	Composite-6ozX200mX2S
Clay Liner	Landfill Gas Vents	16	EA	\$ 2,600	\$ 41,600	Engineer's Estimate	
Ciay Liller	Geonet materials: GCL	3,408,589	SF	\$ 0.38	\$ 1,295,264	Vendor Quote	Geosynthetic Clay Liner (GCL)
	Installation of liner (Labor)	1,200	HR	\$ 1,405	\$ 1,686,000	Engineer's Estimate	Crew rate based on 19 equipment operators/site workers
	Installation of liner (Equipment)	1,200	HR	\$ 210	\$ 252,000	Engineer's Estimate	Equipment rate based on 5 Trucks, backhoe (CAT 446), gradeall (CAT 10k lb), loader (CAT 996) and fuel
Drainage Lay	Liner materials: HDPE liner	3,408,589	SF	\$ 0.34	\$ 1,158,920	Vendor Quote	60 mil smooth HDPE
Diamage Lay	Liner materials: 6X6 Comp	3,408,589	SF	\$ 0.25	\$ 852,147	Vendor Quote	60ozx200mx1S
	Miscellaneous Materials	1	LS	\$ 22,000	\$ 22,000	Engineer's Estimate	Sand bags, visquene, bentonite, welding rods, etc.
	Final Inspection	1	LS	\$ 9,000	\$ 9,000	Engineer's Estimate	
						\$ 7,870,000	

Landfill Ve	egetative Cover Soil Construction							
	Cap Construction Soil Layer (Labor)	440	HR	\$ 1,328	\$ 584,100	Enginee	r's Estimate	Crew rate based on 8 equipment operators/site workers
	Cap Construction Soil Layer (Equipment)	440	HR	\$ 760	\$ 334,400	Enginee	r's Estimate	Equipment rate based on 4 scrapers (CAT 623), 3 CAT D6 dozers, grader (CAT 14G), water truck and fuel
	Cap Construction Soil Layer (Select Fill)	58,000	CY	\$ 5.60	\$ 324,800	Vendor (Quote	Assume off-site source for 6 inch select cover = 58K cy
	Seeding	72	AC	\$ 2,800	\$ 201,600	Vendor (Quote	Seed, mulch and install Excesior mat as required.
						\$	1,445,000	
Wetland E	excavation/Consolidation/Creation (8.25 acres)							
	Wetland Work (Labor)	220	HR	\$ 545	\$ 119,900	Enginee	r's Estimate	Crew rate based on 6 equipment operators/site workers
	Wetland Work (Equipment)	220	HR	\$ 395	\$ 86,900	Enginee	r's Estimate	Equipment rate based on 2 dump trucks (30 ton), excavator (CAT 330), compactor (CAT 815F), water truck and fuel
	Select Fill	10,000	CY	\$ 5.60	\$ 56,000	Vendor (Quote	Assumes 1/4 area requires 3 feet select fill
	Soil Testing	1	LS	\$ 16,800	\$ 16,800	Vendor (Quote	Excavation confirmation samples
	Wetland Consultants	1	LS	\$ 168,000	\$ 168,000	Vendor (Quote	
	SMHM Trap/Consulting	1	LS	\$ 78,400	\$ 78,400	Vendor (Quote	Salt marsh harvest mouse relocation
	Seed/Plant Collecting	1	LS	\$ 84,000	\$ 84,000	Enginee	r's Estimate	Prepration for installing wetland plants
	Seed/Plant Installation	1	LS	\$ 28,000	\$ 28,000	Enginee	r's Estimate	Planting/seeding 8.25 acres
						\$	638,000	
Institution	al Controls							
	Permanent Site Access Fencing	1	LS	\$ 118,000	\$ 118,000			RCRA area fencing
						\$	118,000	
Plans								
	Post-Closure Plan	1	LS	\$ 50,000	\$ 50,000			
						\$	50,000	

O&M Costs						
Monitoring Well Install/Mod/Maintenance	1	LS	\$ 221,000	\$ 221,000		Already conducted during Summer 2005 22 wells installed, 48 wells abandoned
Five Years O&M Quarterly Monitoring	5	YR	\$ 221,000	\$ 1,105,000		Years 1 to 5 O&M (includes labor, analytical services) Based on Weston's 2005 WQ SAP
Long Term O&M Quarterly Monitoring	25	YR	\$ 221,000	\$ 5,525,000	\$3,848,000*	Years 6 to 30 O&M (includes labor, analytical services) NPV Based on Weston's 2005 WQ SAP
Five Years Groundwater/Leachate Management	4,175,000	GL	\$ 0.03	\$ 125,250		Years 1 to 5 (labor, analytical and disposal)
Long Term Groundwater/Leachate Management	20,875,000	GL	\$ 0.03	\$ 626,250		Years 6 to 30 (labor, analytical and disposal)
Predator Control/Trapping	30	YR	\$ 10,000	\$ 300,000		Predator control - bating and trapping
Regulatory Oversight	8	YR	\$ 50,000	\$ 400,000		Years 1, 2, 5, 10, 15, 20, 25, 30
Regulatory Oversight	22	YR	\$ 20,000	\$ 440,000		Years 3, 4, 6-9, 11-14, 16-19, 21-24, 26-29
					\$ 7,066,000	
Report Sub-Total					\$ 25,288,000	
25% contingency					\$ 6,322,000	
Installation of containment barrier					\$ 	Cost of installed vertical barrier
Report Total					\$ 34,000,000	

Costs provided for construction activities if conducted in 2006

Long Term O&M are not adjusted for inflation

* NPV: Net Present Value (3%)